

## What's New at the Alternative Fuels Data Center September 2003

Listed below are new publications and other information made available in September through the U.S. Department of Energy's Alternative Fuels Data Center (AFDC). The AFDC is sponsored by the Clean Cities Program in the Office of Energy Efficiency and Renewable Energy (EERE), and is managed by the National Renewable Energy Laboratory. For more information, with questions, or to subscribe to this monthly update, contact Wendy Dafoe at [wendy\\_dafoe@nrel.gov](mailto:wendy_dafoe@nrel.gov), or call 303-275-4470.

This update is posted on the Web at [www.ccities.doe.gov/toolbox/coord\\_news.shtml](http://www.ccities.doe.gov/toolbox/coord_news.shtml).

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**10<sup>th</sup> Clean Cities Conference is in Fort Lauderdale.** The conference Web site is live at [www.ccities.doe.gov/conference/lauderdale](http://www.ccities.doe.gov/conference/lauderdale). Conference registration will open the end of October. Conference communication is going electronic this year. You'll receive a postcard the end of October asking you to confirm your contact information via a Web interface we've set up. All other conference information will be sent via e-mail rather than snail mail. The awards gala is moving to Sunday night this year. You'll have three days to celebrate, and congratulate the winners. Make plans to arrive in time for this event.

Congratulations to Michigan's **Greater Lansing Clean Cities Coalition, which held its** designation ceremony in September. We look forward to working with them.

**Activities and Accomplishments in MY 2002/FY2003**, from the State and Fuel Provider Program. Available at [www.afdc.doe.gov/pdfs/34597.pdf](http://www.afdc.doe.gov/pdfs/34597.pdf), this 4-page document concisely summarizes the program work.

**Vehicle Buyer's Guide for Fleets Fact Sheet** lists key features and benefits of the online Vehicle Buyer's Guide Web site. Available at [www.afdc.doe.gov/pdfs/34336.pdf](http://www.afdc.doe.gov/pdfs/34336.pdf), this 2-page publication is designed with new EERE colors and format that you'll see in the future.

**Safety and Performance Assessment of Ethanol/Diesel Blends (E-Diesel).** Funded by DOE's Fuel Technology Program, this study includes a "failure mode and effects" analysis, comparing the safety and performance risks of E-diesel to standard diesel. Available at [www.afdc.doe.gov/pdfs/34817.pdf](http://www.afdc.doe.gov/pdfs/34817.pdf)

**SunLine Test Drives Hydrogen Bus.** A quick summary of the principle behind fuel cells, and Sunline's experience with a fuel cell-powered bus. At [www.afdc.doe.gov/pdfs/33639.pdf](http://www.afdc.doe.gov/pdfs/33639.pdf).



**Alternative Fuels and Electric Vehicle Technologies** is a new 3 credit-hour course being offered at Brevard Community College. Course information and a syllabus are at [www.fsec.ucf.edu/env/fscities/bcccoursec.htm](http://www.fsec.ucf.edu/env/fscities/bcccoursec.htm).

**Next Generation Natural Gas Vehicle Activity** summarizes R&D activity in the NGNGV Program. At [www.afdc.doe.gov/pdfs/34650.pdf](http://www.afdc.doe.gov/pdfs/34650.pdf).

**The Energy Smart Guide to Campus Cost Savings** is on the Web at [www.rebuild.org/attachments/SolutionCenter/EnergySmartGuidetoCampusCostSavings.pdf](http://www.rebuild.org/attachments/SolutionCenter/EnergySmartGuidetoCampusCostSavings.pdf). (You may need to copy this URL instead of clicking.) From the Rebuild America program, this 68-page document will help college and university managers sort through the opportunities to save energy and money on campus. Fleets are covered on pages 13-26.

**Performance and Economics of Catalytic Glow Plugs and Shields in Direct Injection Natural Gas Engines for the Next General of Natural Gas Vehicles Program: Final Report.** Details work to improve the ignition system in natural gas engines. Suggests catalyst-coated flow plug shields can be made into useful ignition-promoting technology in DI—NG engines. It's 55 pages and on the Web at [www.afdc.doe.gov/pdfs/34286.pdf](http://www.afdc.doe.gov/pdfs/34286.pdf).

*SAE Automotive Engineering* online published **Fuel Cells Start to Look Real**. It's an 8-page summary of some of the challenges of bringing fuel cells vehicles to market. On the Web at [www.sae.org/automag/features/fuelcells/fuelcell3.htm](http://www.sae.org/automag/features/fuelcells/fuelcell3.htm).

**The Road Ahead for the U.S. Auto Industry**, from the U.S. Department of Commerce discusses American automotive trends including the growing market demand for vehicles with reduced emissions and increased fuel economy. Includes hybrid, electric, and fuel cell vehicles and the FreedomCAR initiative. Dated April 2002 and on the Web at [www.ita.doc.gov/td/auto/2002roadahead.pdf](http://www.ita.doc.gov/td/auto/2002roadahead.pdf).

A couple reminders from August that spurred questions:

**2004 Model Year Vehicles** lists are posted on the Web.

A list of AFVs only can be found at [www.afdc.doe.gov/pdfs/my2004\\_afvs.pdf](http://www.afdc.doe.gov/pdfs/my2004_afvs.pdf).

A list of ATVs and AFVs is at [www.afdc.doe.gov/pdfs/my2004\\_afvs\\_atvs.pdf](http://www.afdc.doe.gov/pdfs/my2004_afvs_atvs.pdf).

**Rebuttal to "Ethanol Fuels: Energy, Economics, and Environmental Impacts."** The National Corn Growers Association and Dr. Michael Graboski of the Colorado School of Mines published this one-page rebuttal to David Pimentel's 2001 article on the economics of ethanol fuels. Thanks to the Clean Cities Hotline for finding this useful report. At [www.ncga.com/ethanol/pdfs/EthanolFuelsRebuttal.pdf](http://www.ncga.com/ethanol/pdfs/EthanolFuelsRebuttal.pdf).

